

ASSOCIATE PROFESSOR OF ARTIFICIAL INTELLIGENCE

DEPARTMENT/UNIT	Data Science and Artificial Intelligence (DSAI)
FACULTY/DIVISION	Faculty of Information Technology
CLASSIFICATION	Level D
DESIGNATED CAMPUS OR LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

At [Monash](#), work feels different. There's a sense of belonging, from contributing to something groundbreaking – a place where great things happen. You know you're part of something special and purposeful because, like Monash, your ambitions drive you to make change.

We have a clear purpose to deliver ground-breaking intensive research; a world-class education; a global ecosystem of enterprise – and we activate these to address some of the [challenges](#) of the age, Climate Change, Thriving Communities and Geopolitical Security.

We welcome and value difference and [diversity](#). When you come to work, you can be yourself, be a change-maker and develop your career in exciting ways with curious, energetic, inspiring and committed people and teams driven to make an impact – just like you.

Together with our [commitment to academic freedom](#), you will have access to quality research facilities, infrastructure, world class teaching spaces, and international collaboration opportunities.

We champion an [inclusive workplace culture](#) for our staff regardless of ethnicity or cultural background. We have also worked to improve [gender equality](#) for more than 30 years. Join the pursuit of our purpose to build a better future for ourselves and our communities – [#Changelt](#) with us.

The Faculty of Information Technology aims to lead global IT research and education. Our strong reputation and international profile attract the best students worldwide and we offer a range of accredited courses that transform our graduates into highly skilled and sought after IT professionals, equipped to work globally. Our research is multidisciplinary, multi-campus and multi-national, giving us a unique capacity to reach out further and deeper than any other institution in Australia. The

Faculty conducts research in all areas of Information Technology with a focus on the research themes IT for Sustainability, Digital Health, and Human-Centric AI. Our research priorities are technically ambitious and impactful in the real world.

The Faculty hosts three departments: Data Science & Artificial Intelligence, Human Centric Computing, and Software Systems and Cybersecurity. We have an unsurpassed breadth and depth of expertise across the range of areas that underpin the fast-developing fields of data science and artificial intelligence. Our Department of Data Science and Artificial Intelligence (DSAI) <https://www.monash.edu/it/dsai> has more than 50 permanent academic staff backed by a large cohort of project-based researchers and postgraduate students. It includes world-class machine learning, optimisation, vision and language and computational and collective intelligence groups. We are at the vanguard of research into the technologies that underpin the data and AI revolution. We're unlocking the potential of large data sets across a wide range of applications. Our work is facilitating better health outcomes for elderly members of the community and helping businesses make more informed decisions for the future. Our cross-disciplinary approach to problem-solving means we work collaboratively with some of the world's leading data scientists, AI researchers and external partners, ensuring we have the capabilities to deliver answers. The position is located with the Department of Data Science and Artificial Intelligence.

To learn more about the Faculty and the exciting work we do, please visit <https://www.monash.edu/it>.

POSITION PURPOSE

A Level D academic is expected to make a significant contribution to all activities of the organisational unit or interdisciplinary area and play a significant role within their profession or discipline. Academics at this level may be appointed in recognition of distinction in their disciplinary area.

This role is pivotal in shaping the future of AI education and research at our institution. The Associate Professor is expected to lead cutting-edge research and education in the AI field with a preference in the areas of reinforcement learning, autonomous agents and/or Generative AI.

Reporting Line: The position reports to the Head of Department

Supervisory Responsibilities: This position provides direct supervision to 1-3 staff

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level D academic may include:

1. The preparation and delivery of lectures, tutorials, practical classes, demonstrations, workshops, and clinical sessions
2. Contribute significantly to the advancement of AI field and able to lead high-quality research program across a large team of researchers and stakeholders.
3. Prepare and deliver lectures, tutorials, practical classes, demonstrations and workshops.
4. Course coordination including offering guidance to assistant lecturers and supervision of sessional staff in teaching unit/s if required
5. Consultation with students and supervision of PhD, honours and postgraduate students
6. Preparation and assessment of student assignments and examinations
7. Conduct of original research that will lead to publications in refereed journals or with high level academic or commercial publishers and attract external and government funding

8. Significant role in research project including, where appropriate, leadership of a research team
9. Significant contribution to the profession and/or discipline both nationally and internationally
10. Other duties such as education and leadership services as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification and/or recognised significant experience in the relevant discipline area.

In determining experience relative to qualifications, regard shall be had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement. In addition, a position at this level will normally require a record of demonstrable scholarly and professional achievement in the relevant discipline area.

Knowledge and Skills

2. A strong publication record in high-quality journals or equivalent and outstanding contribution in AI, machine learning with a preference in reinforcement learning and/or generative AI the discipline
3. Successful track record in obtaining external research grants
4. Record of successful supervision of postgraduate research students and the ability to make a significant contribution to postgraduate training programs in AI and related subfields such as Reinforcement Learning, Machine Learning, LLMs, NLP or computer vision.
5. Demonstrated excellence in teaching in the relevant discipline area (i.e. through evaluations, innovation in presentation and through curriculum development)
6. Demonstrated ability to mentor staff and students
7. High level of interpersonal skills and a proven ability to establish good working relationships with colleagues, students and members of community and professional bodies
8. Demonstrated leadership in committees and other administrative work and portfolios
9. Proven ability to promote the discipline internally within the University as well as externally both nationally and internationally
10. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University

policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.